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9301-228

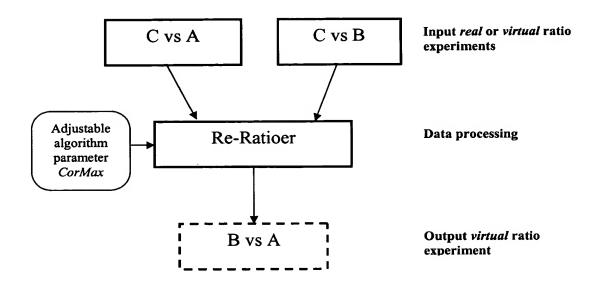


Figure 1.

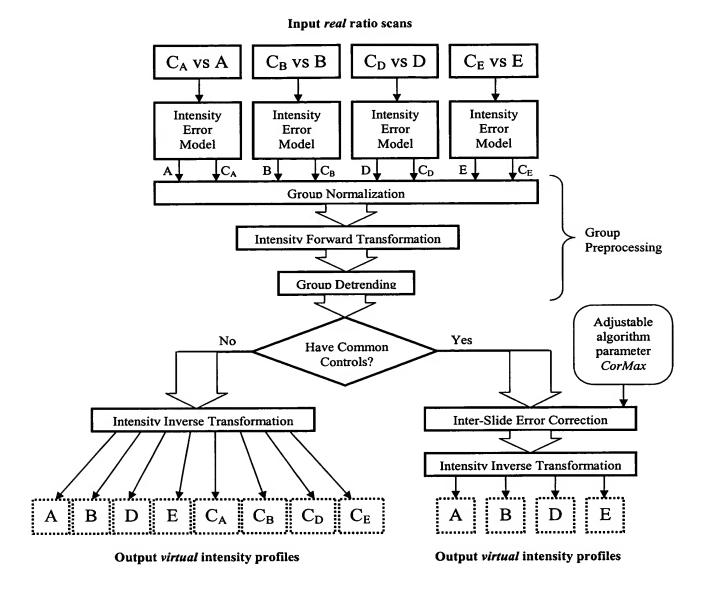


Figure 2

9301-228 Sheet 3 of 49

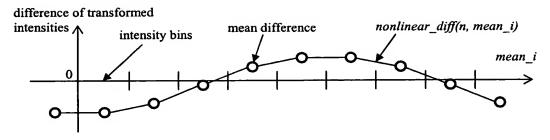


Figure 3

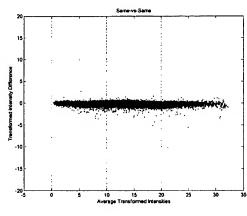


Figure 4

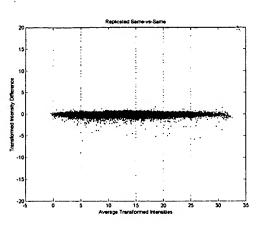
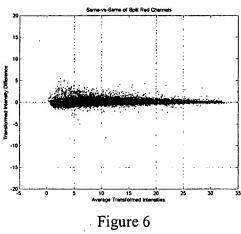


Figure 5



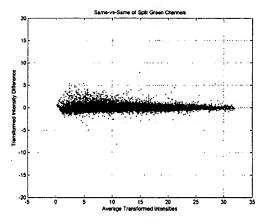


Figure 7

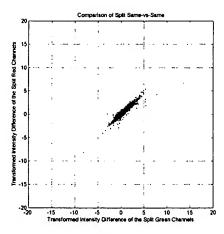


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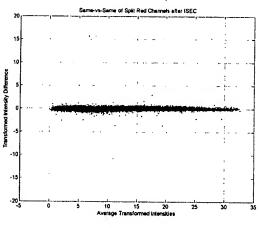


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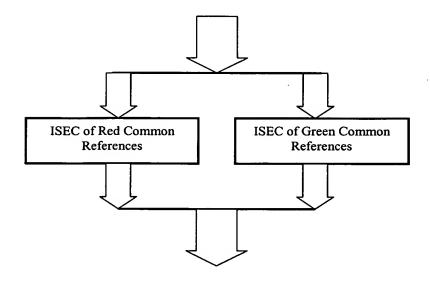
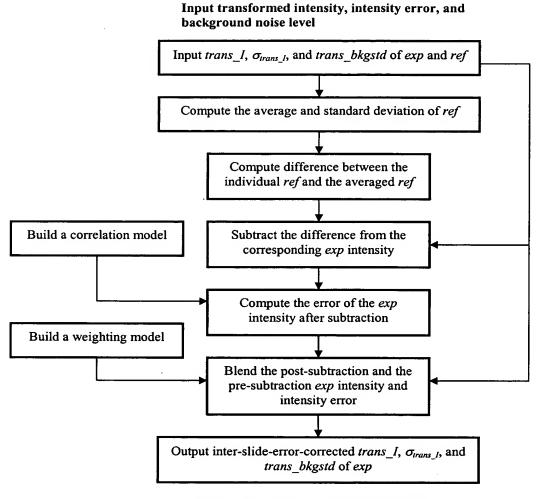


Figure 10

9301-228 Sheet 11 of 49



Output post-ISEC transformed intensity, intensity error, and background

Figure 11

9301-228 Sheet 12 of 49

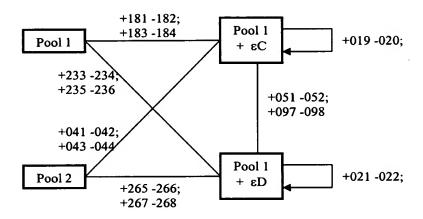


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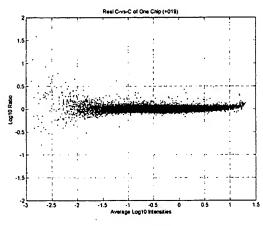


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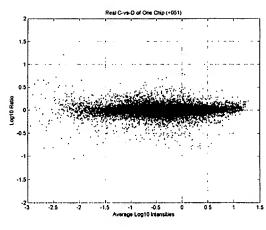


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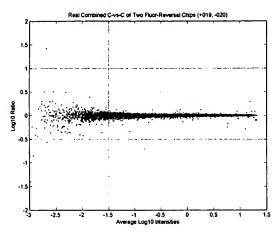


Figure 15

9301-228 Sheet 16 of 49

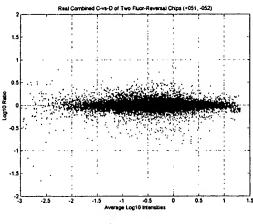


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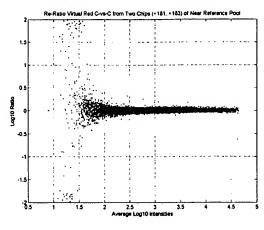


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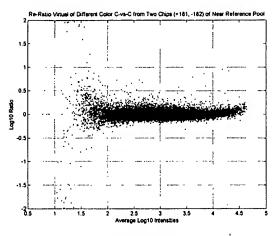


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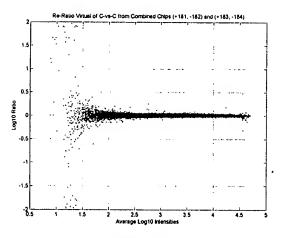


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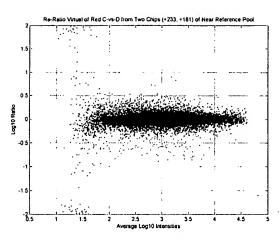


Figure 20

9301-228 Sheet 21 of 49

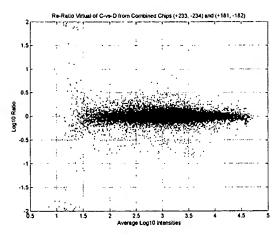
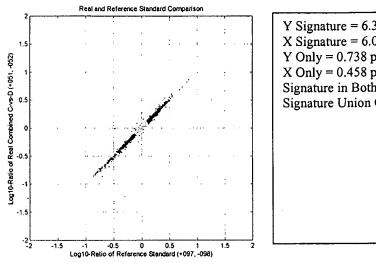


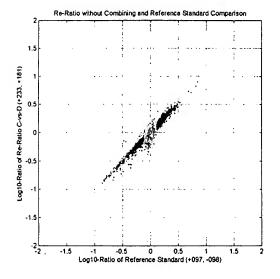
Figure 21

9301-228 Sheet 22 of 49



Y Signature = 6.3 percent
X Signature = 6.02 percent
Y Only = 0.738 percent
X Only = 0.458 percent
Signature in Both = 5.56 percent
Signature Union Correlation = 0.997

Figure 22



Y Signature = 0.757 percent
X Signature = 6.02 percent
Y Only = 0.0233 percent
X Only = 5.29 percent
Signature in Both = 0.734 percent
Signature Union Correlation = 0.98

Figure 23

9301-228 Sheet 24 of 49

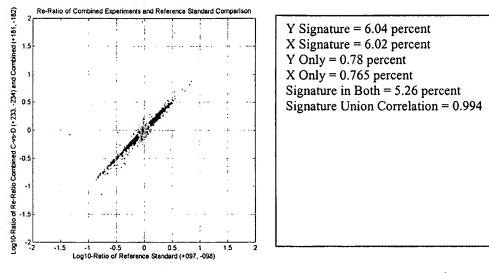


Figure 24

9301-228 Sheet 25 of 49

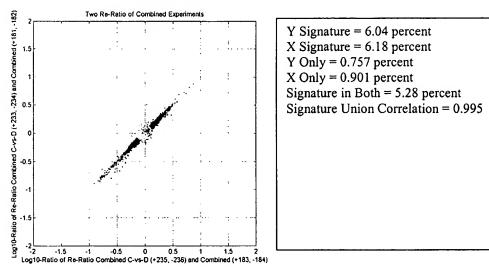


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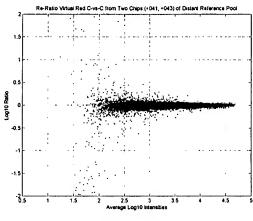


Figure 26

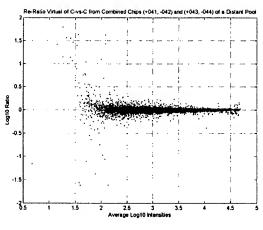


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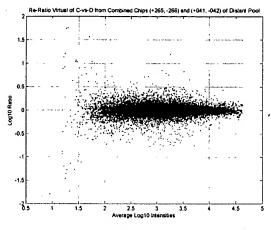


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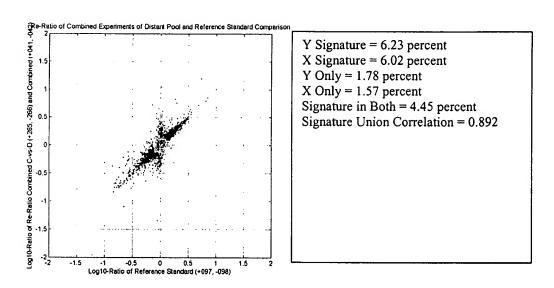
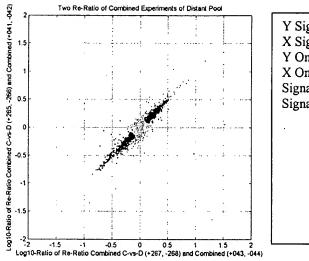


Figure 29



Y Signature = 6.23 percent
X Signature = 5.43 percent
Y Only = 1.53 percent
X Only = 0.73 percent
Signature in Both = 4.7 percent
Signature Union Correlation = 0.962

Figure 30

9301-228 Sheet 31 of 49

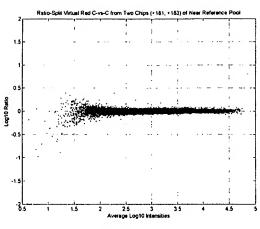


Figure 31

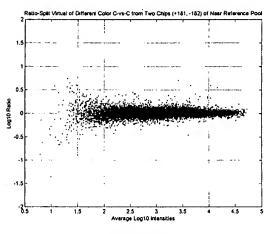


Figure 32

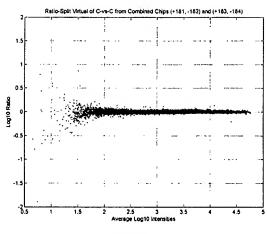


Figure 33

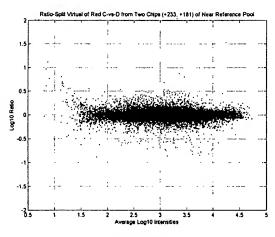


Figure 34

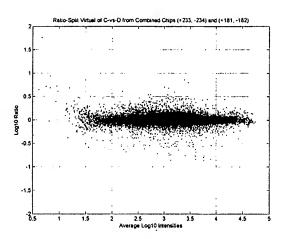
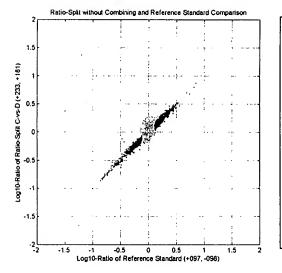
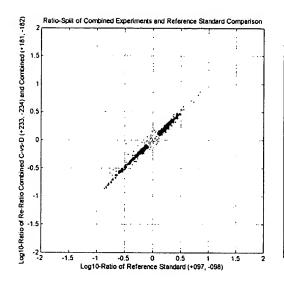


Figure 35



Y Signature = 0.916 percent
X Signature = 6.02 percent
Y Only = 0.0311 percent
X Only = 5.14 percent
Signature in Both = 0.885 percent
Signature Union Correlation = 0.959

Figure 36



Y Signature = 7.15 percent
X Signature = 6.02 percent
Y Only = 1.77 percent
X Only = 0.641 percent
Signature in Both = 5.38 percent
Signature Union Correlation = 0.995

Figure 37

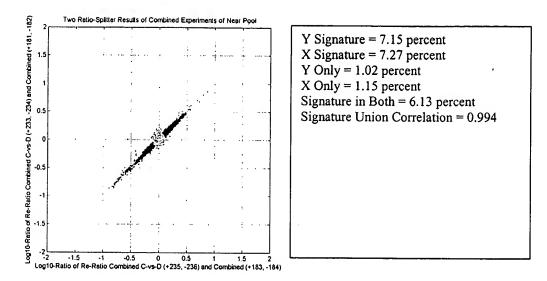


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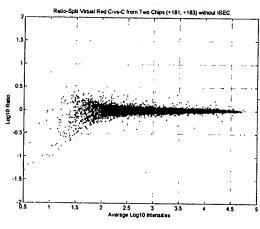


Figure 39

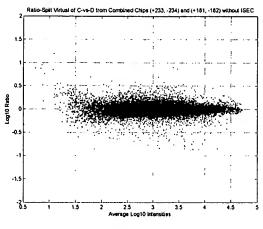


Figure 41

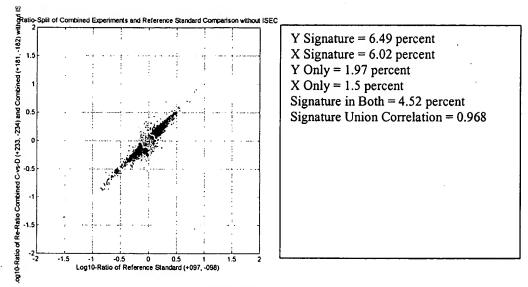


Figure 42

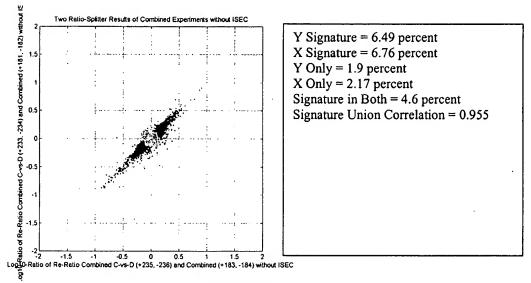


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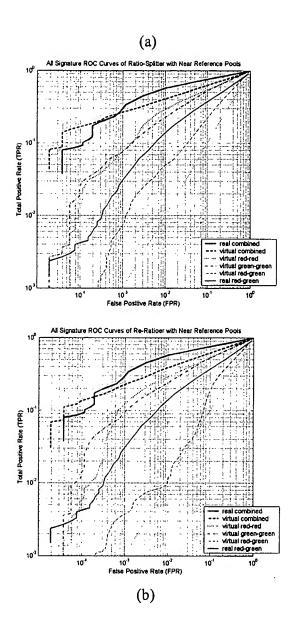


Figure 44

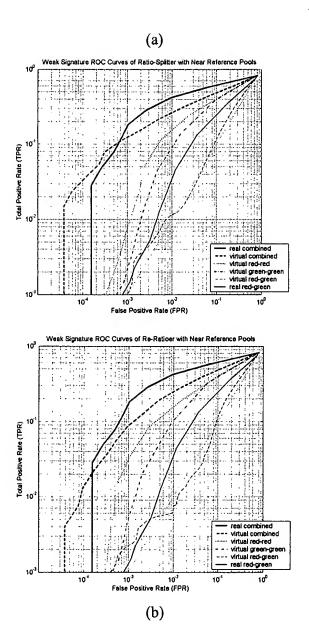


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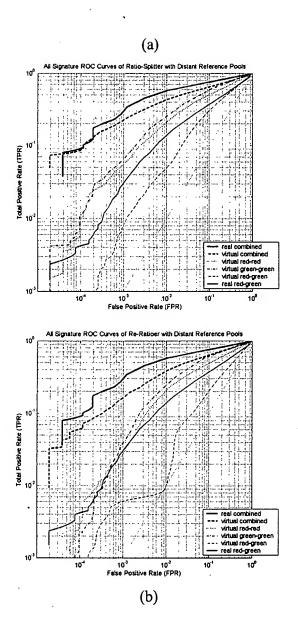


Figure 46

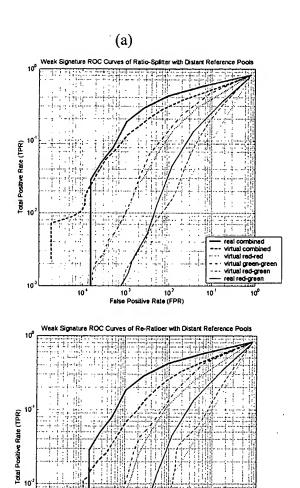


Figure 47

(b)

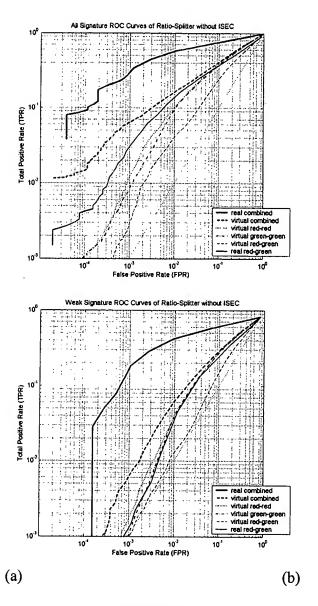


Figure 48

9301-228

